708 Heartland Trail
Suite 3000
Madison, WI 53717

608.826.3600 PHONE
608.826.3941 FAX

www.TRCsolutions.com

February 19, 2018

Mr. Michael Schmoller
Hydrogeologist
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711

Subject: Madison-Kipp Corporation
BRRTS No. 02-13-578014
On-Site PCB Monitoring and Interim Remedy Status Report

Dear Mr. Schmoller:

On behalf of Madison-Kipp Corporation (MKC) and pursuant to the requirements of Paragraph 9(f)(i) of the Stipulation and Order for Judgment entered by the Court on November 27, 2017, TRC Environmental Corporation submits the attached report. We believe this concludes the requirements for submittals within 90 days of entry of the Stipulation and Order for Judgment.

Please let me or Mark Sheppard of MKC know if you have any questions regarding the attached report or if you are in need of further information.

Sincerely,

TRC Environmental Corporation

Katherine Vater

Katherine Vater, P.E.
Project Manager

Attachment

cc: Peter Ramanauskas - USEPA
Tony Koblinski, Mark Sheppard - Madison-Kipp Corporation
David Crass - Michael Best & Friedrich LLP
063628-0040\22792281.1

On-Site PCB Monitoring and Interim Remedy Status Report

Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

WDNR BRRTS #02-13-578014

February 2018

Prepared For
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin 53704

Stephen Sellwood, P.G., Ph.D.
Senior Hydrogeologist

Katherine Vater, P.E.
Project Manager

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Section 1
Introduction

A Stipulation and Order for Judgment between the State of Wisconsin and Madison-Kipp Corporation (MKC) was entered on November 27, 2017. MKC operates an active manufacturing facility at 201 Waubesa Street (the facility, the Site). The Stipulation and Order for Judgment required that MKC complete the following actions within 90 days of entry:

- Monitoring Well Network modifications (see Section 2)
- Groundwater Monitoring Plan for on-going monitoring of polychlorinated biphenyls (PCBs) (see Section 3)
- Documentation of an Interim Remedy – Cap, and on-going inspection through a Cap Maintenance Plan (see Section 4)

Section 2
Monitoring Well Network

As required by Stipulation and Order for Judgment Paragraph 9(a)(i), four monitoring wells at the MKC facility (MW-22S, MW-22D, MW-23S, and MW-23D) were abandoned on January 16, 2018. These four wells were abandoned by filling the casings with 3/8-inch bentonite chips. Concrete was used to patch the facility floor at the four abandoned well locations. The well abandonment forms are included in Appendix A.

Also as required by Paragraph 9(a)(i), two new monitoring wells (MW-29D and MW-29S) were installed outside the building at the south end of the MKC facility on January 15 and 16, 2018. The location of the new well nest conforms to the requirements in the Stipulation and Order for Judgment and is shown on Figure 1. The boring for MW-29D was drilled using hollow-stem augers to a depth of approximately 29 feet and air rotary drilling to a depth of 50 feet. MW-29D was installed with five (5) feet of PVC screen from approximately 45 feet to 50 feet bgs. Weathered sandstone bedrock was encountered in the MW-29D borehole at a depth of approximately 29 feet and the well is screened within competent sandstone bedrock (Upper Lone Rock Formation). The boring for MW-29S was drilled using hollow-stem augers. MW-29S was installed with 10 feet of PVC screen from approximately 25 feet to 35 feet below ground surface (bgs), and is screened across weathered sandstone bedrock and the overlying unconsolidated fine-grained sand with silt. The monitoring wells were constructed in accordance with Wisconsin Administrative Code (WAC) Chapter NR 141. Boring logs and well construction forms are included in Appendix A.

Following installation, the wells were developed on January 18, 2018, by surging with a pump and pumping to remove sediment-laden water. MW-29D did not purge dry and was pumped between surging events until at least 10 well casing and filter pack volumes of water were removed. MW-29S was purged dry multiple times between surging and pumping. Monitoring well development forms are included in Appendix A.

Section 3
Groundwater Monitoring Plan

Groundwater monitoring for PCBs will be conducted at the Site in compliance with the Stipulation and Order for Judgment, including Paragraphs 9(a)(ii-v).

MKC will conduct semi-annual sampling of the eight monitoring well sampling locations listed in Table 1 utilizing low-flow sampling techniques and laboratory analysis for PCBs using EPA SW-846 Method 8082. Semi-annual sampling is scheduled for April and October of each year.

Groundwater samples collected from the eight wells will be unfiltered. Analysis for Total Suspended Solids (TSS) and Total Dissolved Solids (TDS) data shall be included to evaluate the *in-situ* conditions present during the time of sample collection. These analyses will determine whether conditions at the time of sampling may be causing re-suspension and collection of PCB-impacted residual solids in the screened interval, potentially biasing the reported PCB concentration.

Analytical results of the semi-annual sampling will be provided within 60 days of each sampling event in a summary table.

After five years of semi-annual monitoring, e.g., following the October 2022 sampling event, the WDNR and MKC will review the sampling program and determine if the frequency and/or location of sampling can be reduced or discontinued.

Section 4
Interim Remedy – Cap

The Stipulation and Order for Judgment outlines requirements for MKC to manage PCB-impacted soil beneath the manufacturing facility. Currently, the facility and associated paved surfaces serve as a protective cap, which is an interim remedy to prevent exposure to the soil. This report hereby documents that the concrete flooring/foundation/pavement are an interim remedy at the site and should be listed as such in the BRRTS database (see Paragraphs 9(f)(i), Stipulation and Order for Judgment).

A Cap Maintenance Plan is included in Appendix B and will be implemented by MKC.

Note that a separate Cap Maintenance Plan is currently in place for the majority of the paved parking lots at the site, as shown in GIS Registry Case Closure Request for BRRTS #02-13-576860 (included as an appendix to the Cap Maintenance Plan in Appendix B).

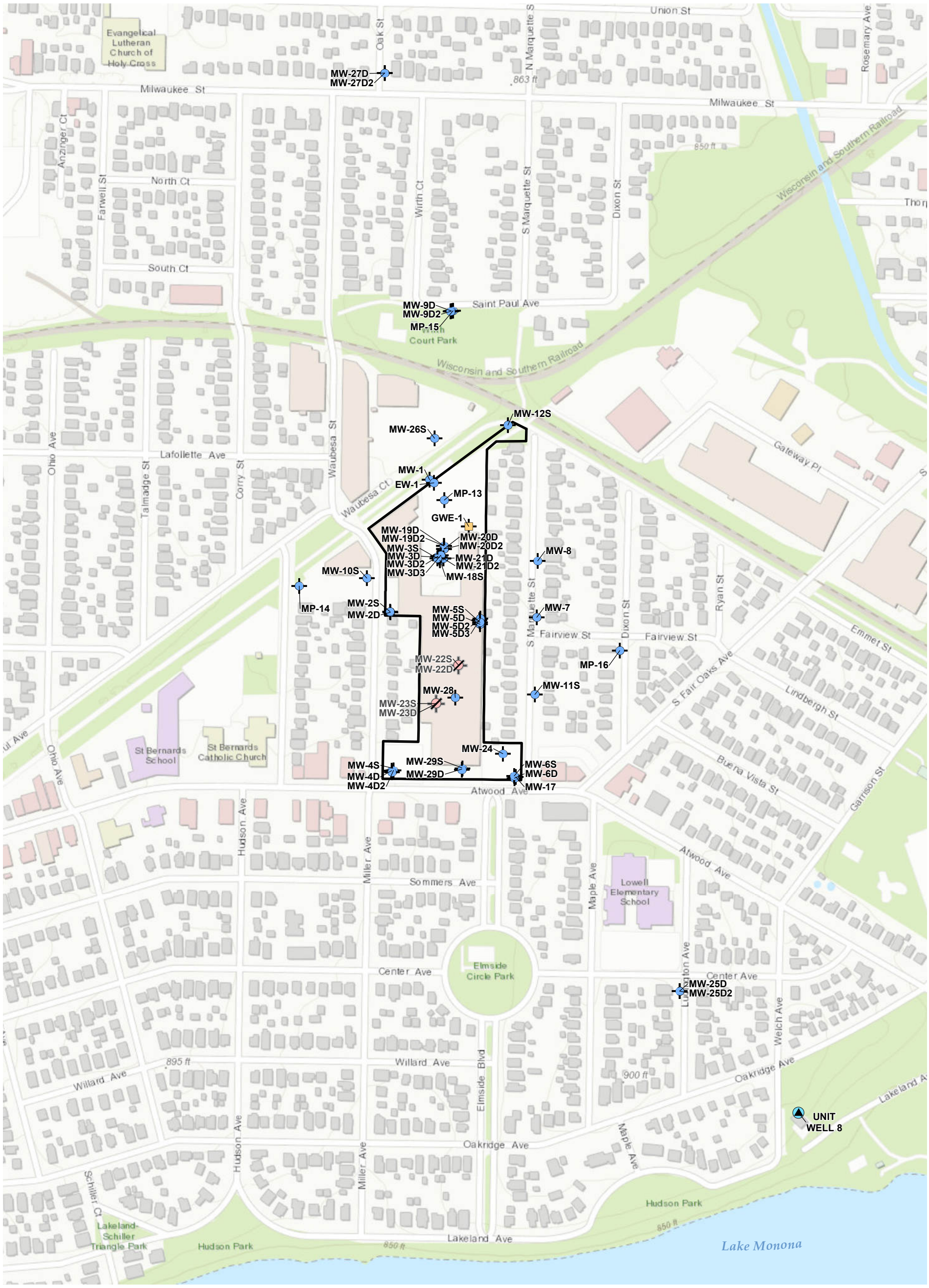
Table 1
PCB Groundwater Monitoring Plan
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

WELL/ POINT ID	FORMATION	SCREENED INTERVAL (ft bgs)	SAMPLE AND REPORTING FREQUENCY	ANALYTE/ ANALYSIS
MW-4S	Unconsolidated/ Upper Lone Rock	35-50	Semi-annual	PCBs, EPA SW-846 Method 8082; TSS, TDS
MW-4D	Lower Lone Rock	65-70	Semi-annual	PCBs, EPA SW-846 Method 8082; TSS, TDS
MW-6S	Unconsolidated/ Upper Lone Rock	31-41	Semi-annual	PCBs, EPA SW-846 Method 8082; TSS, TDS
MW-11S	Unconsolidated	24-34	Semi-annual	PCBs, EPA SW-846 Method 8082; TSS, TDS
MW-24	Upper Lone Rock	30-40	Semi-annual	PCBs, EPA SW-846 Method 8082; TSS, TDS
MW-28	Unconsolidated	28-38	Semi-annual	PCBs, EPA SW-846 Method 8082; TSS, TDS
MW-29S	Unconsolidated	25-35	Semi-annual	PCBs, EPA SW-846 Method 8082; TSS, TDS
MW-29D	Upper Lone Rock	45-50	Semi-annual	PCBs, EPA SW-846 Method 8082; TSS, TDS

Plot Date: 2/2/2018, 15:41:54 PM by JPAPEZ -- LAYOUT: ANSI B (11"x17")
Path: E:\MadisonKIPPCorp\2017_269392\269392-004.mxd

Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

TRC - GIS



LEGEND

- SITE PROPERTY BOUNDARY
- ABANDONED MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- MONITORING WELL
- MUNICIPAL SUPPLY WELL

BASE MAP FROM ESRI, "WORLD TOPOGRAPHIC MAP" WEB BASEMAP SERVICE LAYER.

0 300 600 FEET

1 " = 300 '

1:3,600

N

TRC
708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

PROJECT:

MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:

WELL LOCATIONS MAP

DRAWN BY:	J PAPEZ
CHECKED BY:	A STEHN
APPROVED BY:	K VATER
DATE:	FEBRUARY 2018
PROJ. NO.:	269392
FILE:	269392-004.mxd

FIGURE 1

Appendix A
Boring Logs, Monitoring Well Development Forms, Well Abandonment Forms, and Well Construction Forms

Table of Contents

Boring Logs

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Madison Kipp Corp	02-13-578014	MW-29D

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Craig Plant Ground Source	1/15/2018	1/15/2018	rotary (air or mud)

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VS878		MW-29D	844.8 Feet MSL	875.9 Feet MSL	6.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S / C / N
SW 1/4 of SW 1/4 of Section 5, T 7 N, R 10 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
113125320	Dane	13	Madison

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	**TOPSOIL,** organic rich, black, no odor										
			2	**SILTY LEAN CLAY (CL),** slight plasticity, yellowish brown (10YR 5/6), no odor, dry going to moist at 3.5' bgs, stiff going to soft with depth.										
1 SS	24 24		4		CL			0.0	2					3-5
2 SS	24 24		6					0.0	1.25					5-7
				SILT WITH SAND (ML), fine grained, yellowish brown (10YR 5/8), no odor, dry, loose.	ML									
3 SS	24 24		8	**SILTY LEAN CLAY (CL),** slight plasticity, yellowish brown (10YR 5/6), no odor, moist, soft.	CL			0.0	1.25					7.5-9.5
				SAND WITH SILT (SP), fine grained, trace gravel, yellowish brown (10YR 5/6), no odor, dry, loose.										
4 SS	24 18		10					0.0						10-12
			12	sand with silt, same as above.										
5 SS	24 18		14		SP			0.0						12.5-14.5
6 SS	24 12		16					0.0						15-17
				sand with silt, same as above.										
7 SS	24 12		18					0.0						17.5-19.5
			20											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
	TRC Environmental Corporation 708 Heartland Trail Suite 3000 53717	608-826-3600 Fax: 608-238-7156

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-29D Use only as an attachment to Form 4400-122. Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
8 SS	24 6		22	**SAND WITH SILT (SP),** fine grained, trace gravel, yellowish brown (10YR 5/6), no odor, dry, loose.				0.0						20-22
			24	sand with silt, same as above, dolostone gravel becoming increasingly more present. Split spoon unable to be advanced due to formation stiffness. Drillers switch from 11.25" HSA to 6" air rotary due to difficult drilling conditions.	SP									
			26											
			28											
			30	**BEDROCK,** non-competent bedrock encountered at 29' bgs, drillers pull out and advance 11.25" HSA to 29' bgs to avoid boring blow out and collapse during air rotary. Cuttings recovered are fine sand and dolostone mixture.										
			32											
			34											
			36	bedrock, same as above.										
			38											
			40	**BEDROCK**, sandstone, drillers indicate bedrock has become more competent then 29-39' bgs.										
			42											
			44											
			46	bedrock, same as above.										
			48											
			50											
				Boring terminated at 50.5' bgs (1/15/2018).										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Madison Kipp Corp	02-13-578014	MW-29S

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Craig Plant Ground Source	1/16/2018	1/16/2018	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VS879		MW-29S	847.5 Feet MSL	876.0 Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
SW 1/4 of SW 1/4 of Section 5, T 7 N, R 10 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
113125320	Dane	13	Madison

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	**Boring blind drilled to 35' bgs, see MW-29D log for lithology.**										
			2											
			4		CL									
			6											
					ML									
			8		CL									
			10											
			12											
			14		SP									
			16											
			18											
			20											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: 608-826-3600
	TRC Environmental Corporation 708 Heartland Trail Suite 3000 53717	Fax: 608-238-7156

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-29S Use only as an attachment to Form 4400-122. Page 2 of 2

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			22	**Boring blind drilled to 35' bgs, see MW-29D log for lithology.**	SP									
			24											
			26											
			28											
			30											
			32											
			34											
				Boring terminated at 35 feet bgs (1/16/2018).											

Monitoring Well Development Forms

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	County	Well Name
Madison Kipp Corp	Dane	MW-29D

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
02-13-578014	13	VS878	

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method:

surged with bailer and bailed	☐	4 1
surged with bailer and pumped	☐	6 1
surged with block and bailed	☐	4 2
surged with block and pumped	☐	6 2
surged with block, bailed, and pumped	☐	7 0
compressed air	☐	2 0
bailed only	☐	1 0
pumped only	☐	5 1
pumped slowly	☐	5 0
other Surged Pump and Pumped	☒	

3. Time spent developing well 120 min.

4. Depth of well (from top of well casing) 52.0 ft.

5. Inside diameter of well 2.03 in.

6. Volume of water in filter pack and well casing 8.07 gal.

7. Volume of water removed from well 110.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added N/A

10. Analysis performed on water added? ☐ Yes ☒ No
(If yes, attach results)

		Before Development	After Development
11. Depth to Water (from top of well casing)	a.	31.10 ft.	31.97 ft.
Date	b.	1/18/2018	1/18/2018
Time	c.	10:30 ☒ a.m. ☐ p.m.	03:15 ☐ a.m. ☒ p.m.
12. Sediment in well bottom		14.3 inches	0.0 inches
13. Water clarity		Clear ☐ 1 0 Turbid ☒ 1 5 (Describe) Brown	Clear ☐ 2 0 Turbid ☒ 2 5 (Describe) Light brown

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Well developed by: Person's Name and Firm
Wesley Braga
TRC Environmental

17. Additional comments on development:

Facility Address or Owner/Responsible Party Address

Name: Mark Sheppard

Firm: Madison Kipp Corp.

Street: 201 Waubesa St

City/State/Zip: Madison, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature:

Print Name: Wesley Braga

Firm: TRC Environmental Corporation

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	County	Well Name
Madison Kipp Corp	Dane	MW-29S

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
02-13-578014	13	VS879	

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method:

surged with bailer and bailed	☐	4 1
surged with bailer and pumped	☐	6 1
surged with block and bailed	☐	4 2
surged with block and pumped	☐	6 2
surged with block, bailed, and pumped	☐	7 0
compressed air	☐	2 0
bailed only	☐	1 0
pumped only	☐	5 1
pumped slowly	☐	5 0
other Surged Pump and Pumped	☒	

3. Time spent developing well 120 min.

4. Depth of well (from top of well casing) 36.2 ft.

5. Inside diameter of well 2.03 in.

6. Volume of water in filter pack and well casing 8.80 gal.

7. Volume of water removed from well 35.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added N/A

10. Analysis performed on water added? ☐ Yes ☒ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	28.51 ft.	32.85 ft.
Date b.	1/18/2018	1/18/2018
Time c.	10:35 ☒ a.m. ☐ p.m.	02:45 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ☐ 1 0 Turbid ☒ 1 5	Clear ☒ 2 0 Turbid ☐ 2 5
(Describe)	Brown	None

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Well developed by: Person's Name and Firm
Wesley Braga
TRC Environmental

17. Additional comments on development:

Facility Address or Owner/Responsible Party Address

Name: Mark Sheppard

Firm: Madison Kipp Corp.

Street: 201 Waubesa St

City/State/Zip: Madison, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: 

Print Name: Wesley Braga

Firm: TRC Environmental Corporation

NOTE: See instructions for more information including a list of county codes and well type codes.

Well Abandonment Forms

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dane	(MW-22D)	

Lattitude / Longitude (see instructions): ° N, ° W
Format Code: ☒ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ SW	¼ SW	Section	Township	Range
or Gov't Lot #		5	7	10 ☒ E ☐ W

Well Street Address: 201 Waubesa St
Well City, Village or Town: Madison
Well ZIP Code: 53704
Subdivision Name:
Lot #:
Reason For Removal From Service: Well Decomission
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Madison Kipp Corp
Facility ID (FID or PWS): 113125320
License/Permit/Monitoring #: 02-13-578014
Original Well Owner: Madison Kipp Corp.
Present Well Owner: Mark Sheppard
Mailing Address of Present Owner: 201 Waubesa St
City of Present Owner: Madison
State: WI
ZIP Code: 53704

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 01/05/2013
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify)

Formation Type:
☐ Unconsolidated Formation ☒ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
50.0	2.03
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
8.0	45.0

Was well annular space grouted? ☒ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
41.0	28.3

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Hole Plug	Surface	50.0	1.09 cubic feet	

6. Comments

MW-22D

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Ground Source		01/16/2018
Street or Route		**Telephone Number**
3671 Monroe Rd.		920.336.3659
City	**State**	**ZIP Code**
DePere	WI	54115

Signature of Person Doing Work

Date Signed: 2-2-18

DNR Use Only
Date Received | Noted By
Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dane	(MW-22S)	

Lattitude / Longitude (see instructions): ° N, ° W
Format Code: ☒ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ SW	¼ SW	Section	Township	Range
or Gov't Lot #		5	7	10 ☒ E ☐ W

Well Street Address: 201 Waubesa St
Well City, Village or Town: Madison
Well ZIP Code: 53704
Subdivision Name:
Lot #:
Reason For Removal From Service: Well Decomission
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Madison Kipp Corp
Facility ID (FID or PWS): 113125320
License/Permit/Monitoring #: 02-13-578014
Original Well Owner: Madison Kipp Corp.
Present Well Owner: Mark Sheppard
Mailing Address of Present Owner: 201 Waubesa St
City of Present Owner: Madison
State: WI
ZIP Code: 53704

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 01/05/2013
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
35.0	2.03
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
8.0	25.0

Was well annular space grouted? ☒ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
21.0	28.5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Hole Plug	Surface	35.0	0.76 cubic feet	

6. Comments

MW-22S

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Ground Source		01/16/2018
Street or Route		**Telephone Number**
3671 Monroe Rd.		920.336.3659
City	**State**	**ZIP Code**
DePere	WI	54115

Signature of Person Doing Work: [signature]
Date Signed: 2-2-18

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dane	(MW-23D)	

Lattitude / Longitude (see instructions): ° N, ° W
Format Code: ☒ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ SW	¼ SW	Section	Township	Range
or Gov't Lot #		5	7	10 ☒ E ☐ W

Well Street Address: 201 Waubesa St
Well City, Village or Town: Madison
Well ZIP Code: 53704
Subdivision Name:
Lot #:
Reason For Removal From Service: Well Decomission
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Madison Kipp Corp
Facility ID (FID or PWS): 113125320
License/Permit/Monitoring #: 02-13-578014
Original Well Owner: Madison Kipp Corp.
Present Well Owner: Mark Sheppard
Mailing Address of Present Owner: 201 Waubesa St
City of Present Owner: Madison
State: WI
ZIP Code: 53704

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 01/03/2013
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify)

Formation Type:
☐ Unconsolidated Formation ☒ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
50.0	2.03
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
8.0	45.0

Was well annular space grouted? ☒ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
41.0	27.7

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Hole Plug	Surface	50.0	1.09 cubic feet	

6. Comments

MW-23D

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Ground Source		01/16/2018
Street or Route		**Telephone Number**
3671 Monroe Rd.		920.336.3659
City	**State**	**ZIP Code**
DePere	WI	54115

Signature of Person Doing Work

Date Signed: 2-2-18

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dane	(MW-23S)	

Latitude / Longitude (see instructions): ° N, ° W
Format Code: ☒ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ SW	¼ SW	Section	Township	Range
or Gov't Lot #		5	7	10 ☒ E ☐ W

Well Street Address: 201 Waubesa St
Well City, Village or Town: Madison
Well ZIP Code: 53704
Subdivision Name:
Lot #:
Reason For Removal From Service: Well Decomission
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Madison Kipp Corp
Facility ID (FID or PWS): 113125320
License/Permit/Monitoring #: 02-13-578014
Original Well Owner: Madison Kipp Corp.
Present Well Owner: Mark Sheppard
Mailing Address of Present Owner: 201 Waubesa St
City of Present Owner: Madison
State: WI
ZIP Code: 53704

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 01/03/2013
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
35.0	2.03
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
8.0	25.0

Was well annular space grouted? ☒ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
21.0	27.5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Hole Plug	Surface	35.0	0.76 cubic feet	

6. Comments

MW-23S

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Ground Source		01/16/2018
Street or Route		**Telephone Number**
3671 Monroe Rd.		920.336.3659
City	**State**	**ZIP Code**
DePere	WI	54115

Signature of Person Doing Work: [signature]
Date Signed: 2-2-18

DNR Use Only
Date Received:
Noted By:
Comments:

Well Construction Forms

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Madison Kipp Corp	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-29D
Facility License, Permit or Monitoring No.: 02-13-578014	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒	Wis. Unique Well No.: VS878 / DNR Well Number:
Facility ID: 113125320	Lat. ° ' " Long. ° ' " or St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 01/15/2018
Type of Well: Well Code 12/pz	Section Location of Waste/Source: SW 1/4 of SW 1/4 of Sec. 5, T. 7 N, R. 10 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Craig Plant
Distance from Waste/Source ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known / Gov. Lot Number:	Ground Source

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation 877.61 ft. MSL

C. Land surface elevation 875.86 ft. MSL

D. Surface seal, bottom 874.9 ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☒ 50 / Hollow Stem Auger ☐ 41 / HSA to 29' bgs / Other ☒

15. Drilling fluid used: Water ☐ 02 Air ☒ 01 Drilling Mud ☐ 03 None ☐ 99

16. Drilling additives used? ☒ Yes ☐ No
Describe N/A

17. Source of water (attach analysis, if required):
None

E. Bentonite seal, top 842.9 ft. MSL or 33.0 ft.

F. Fine sand, top 834.9 ft. MSL or 41.0 ft.

G. Filter pack, top 832.9 ft. MSL or 43.0 ft.

H. Screen joint, top 830.7 ft. MSL or 45.2 ft.

I. Well bottom 825.7 ft. MSL or 50.2 ft.

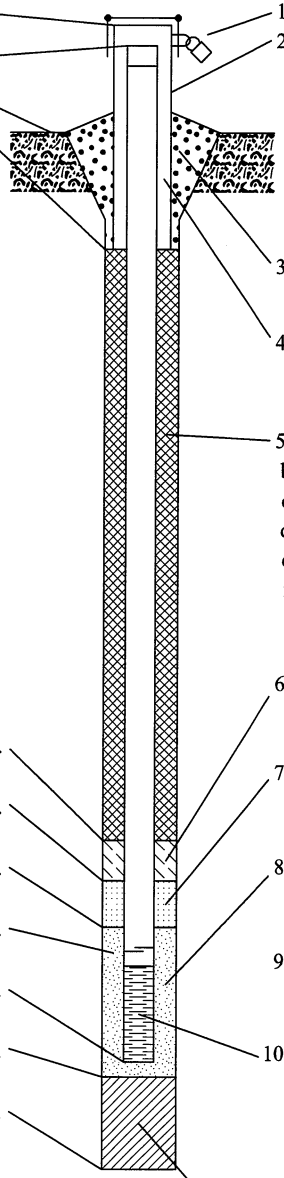
J. Filter pack, bottom 825.4 ft. MSL or 50.5 ft.

K. Borehole, bottom 825.4 ft. MSL or 50.5 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.03 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04 / ____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / ____ Other ☐

4. Material between well casing and protective pipe: Bentonite ☒ 30 / ____ Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. 11 Lbs/gal mud weight . . . Bentonite slurry ☒ 31
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 50
e. 20.08 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☒ 02 / Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. 40/60 Badger
b. Volume added 0.35 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Badger
b. Volume added 1.32 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / ____ Other ☐

10. Screen material: Sch 40 PVC
a. Screen Type: Factory cut ☐ 11 / Continuous slot ☒ 01 / ____ Other ☐
b. Manufacturer Johnson Screens
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.

11. Backfill material (below filter pack): None ☐ 14 / ____ Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: TRC Environmental Corporation, 708 Heartland Trail Suite 3000 53717 Tel: 608-826-3600 Fax: 608-238-7156

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Madison Kipp Corp	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-29S
Facility License, Permit or Monitoring No.: 02-13-578014	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒	Wis. Unique Well No.: VS879 / DNR Well Number:
Facility ID: 113125320	Lat. ° ' " Long. ° ' " or St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 01/16/2018
Type of Well: Well Code 11/mw	Section Location of Waste/Source: SW 1/4 of SW 1/4 of Sec. 5, T. 7 N, R. 10 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Craig Plant
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number: ____ / Ground Source

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation 877.80 ft. MSL

C. Land surface elevation 875.97 ft. MSL

D. Surface seal, bottom 875.0 ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / ____ Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☒ Yes ☐ No
Describe N/A

17. Source of water (attach analysis, if required):
None

E. Bentonite seal, top ____ ft. MSL or ____ ft.

F. Fine sand, top 856.0 ft. MSL or 20.0 ft.

G. Filter pack, top 854.0 ft. MSL or 22.0 ft.

H. Screen joint, top 851.3 ft. MSL or 24.6 ft.

I. Well bottom 841.6 ft. MSL or 34.4 ft.

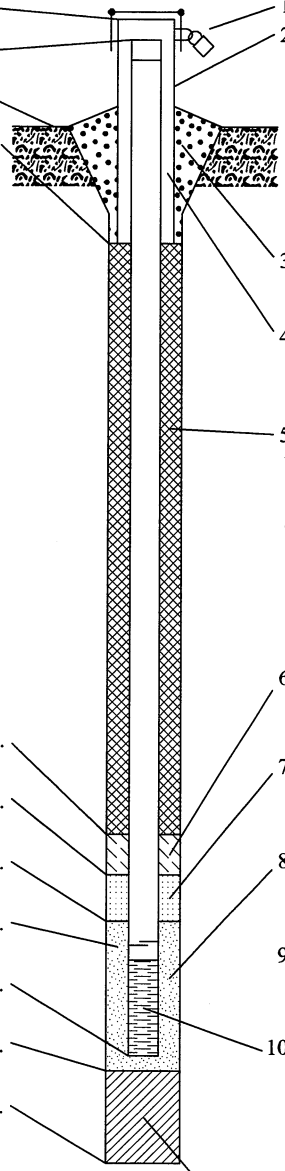
J. Filter pack, bottom 841.0 ft. MSL or 35.0 ft.

K. Borehole, bottom 841.0 ft. MSL or 35.0 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.03 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 7.0 ft.
c. Material: ____ Steel ☒ 0 4 / Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 3 0 / Concrete ☐ 0 1 / ____ Other ☐

4. Material between well casing and protective pipe: Bentonite ☒ 3 0 / ____ Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 6.22 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☒ 0 8

6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. 40/60 Badger
b. Volume added 0.65 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Badger
b. Volume added 4.27 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / ____ Other ☐

10. Screen material: Sch 40 PVC
a. Screen Type: Factory cut ☐ 1 1 / Continuous slot ☒ 0 1 / ____ Other ☐
b. Manufacturer Johnson Screens
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None ☐ 1 4 / ____ Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: TRC Environmental Corporation, 708 Heartland Trail Suite 3000 53717 Tel: 608-826-3600 Fax: 608-238-7156

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Appendix B
Cap Maintenance Plan

Cap Maintenance Plan

Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

WDNR BRRTS #02-13-578014

February 2018

Prepared For
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin 53704

Prepared By
TRC Environmental Corporation
708 Heartland Trail, Suite 3000
Madison, Wisconsin 53717

Table of Contents

List of Figures

List of Appendices

Section 1
Property and Plan Information

1.1 Site Information

- **Site Location:** 201 Waubesa Street
  Madison, WI 53704
- **Tax Parcel ID #:** 251/0710-053-0801-2
- **WDNR/FID #:** 113125320
- **WDNR BRRTS/Activity #:** 02-13-578014

1.2 Contact/Notification Information

- **Site Owner and Operator:** Madison-Kipp Corporation (MKC)
  201 Waubesa Street
  Madison, WI 53704
  608-244-3511
- **Signature:** 
  Mark Sheppard
  Environmental, Health, and Safety Manager
- **Consultant:** TRC Environmental Corporation
  708 Heartland Trail, Suite 3000
  Madison, WI 53717
  Attention: Katherine Vater, Project Manager
  (608) 826-3663
- **Wisconsin Department of Natural Resources (WDNR):** Michael Schmoller
  3911 Fish Hatchery Road
  Fitchburg, WI 53711
  (608) 275-3267

1.3 Purpose

This document is the Cap Maintenance Plan (Plan) for the above-referenced site, prepared in accordance with the requirements of s. NR 724.13(2) and 727.05(1)(b)2, Wisconsin

Administrative Code and the Stipulation and Order for Judgment between MKC and WDNR (November 22, 2017). The cap consists of a combination of existing concrete building foundation, and concrete/asphalt pavement. The boundaries of the cap can be seen on Figure 1. The cap protects human health and the environment from the residual PCB (polychlorinated biphenyls) contamination by preventing direct contact with remaining contamination from historical operations on the property.

The property owner will maintain a copy of this Plan and make it available to all interested parties (i.e., WDNR, on-site employees, contractors, future property owners, etc.) for viewing upon request.

1.4 Contamination Description

Historical die casting operations that involved hydraulic fluids containing PCBs, and dust suppression of the parking lot using PCB-containing oils at the facility resulted in PCB impacts to soil. Residual contamination from these activities remains on-site in the soil above the NR 720 industrial direct contact residual contaminant levels (RCL) for soil.

The locations of soil known to contain exceedances above their RCLs are shown on Figure 1, and cross sections under the facility floor showing the PCB concentrations in the soil can be seen in Figure 2.

1.5 Notifications

Madison-Kipp Corporation will notify WDNR within 60 days of any planned changes in occupancy, land or property use, or system modifications.

In the event that necessary maintenance activities require limited removals of the cap, MKC will notify workers of potential direct contact exposure hazard.

Restoration of portions of the cap with similar or superior materials (e.g., replacing asphalt with concrete) is allowable, but notification and documentation of the restoration and any change in conditions must be provided by MKC to WDNR upon completion of the repairs.

1.6 Amendment or Withdrawal of Cap Maintenance Plan

This Plan may not be withdrawn or amended unless approved by WDNR.

Section 2
Cap Maintenance Plan

2.1 Cap Description

The majority of the site is capped with an impermeable surface approximately 3 to 12 inches thick consisting of concrete building foundations, or concrete/asphalt pavement. In particular, the cap being inspected under this maintenance plan is primarily the concrete building floor/foundation. Figure 1 shows the surface features that comprise the cap. Figure 1 also shows the existing cap for BRRTS #02-13-576860, and a copy of that Cap Maintenance Plan is included in Appendix C. Note that these two caps will be inspected separately, as they are associated with separate BRRTS cases.

Photographs of the current conditions of the cap are included in Appendix B. Based on the current and future planned use of the property as a manufacturing facility, the cap should function as intended unless disturbed.

2.2 Cap Inspection

The cap needs to be inspected annually by the property owner or their designated representative. An inspection checklist (WDNR Form 4400-305) is provided in Appendix A.

The inspections will be performed to evaluate damage due to settling, exposure to weather, wear from traffic, or other factors. The cap will be inspected for deterioration, cracks, and other potential problems that could cause exposure to underlying soils. Any area where soils have become or are likely to become exposed will be documented and repairs will be planned.

A log of the inspections and any repairs will be maintained by current and future property owner(s). The log will include recommendations for necessary repair of any areas where the cap is not performing as intended. The inspection log and record of the repairs/maintenance will be kept on site, and will be made available to all interested parties (e.g., WDNR, on-site employees, contractors, future property owners) upon request.

2.3 Maintenance

If damage to the cap is noted during the inspections, or at any other time during the year, repairs will be scheduled as soon as practical. Damage to the cap are significant deficiencies that allow surface water infiltration and direct contact with contaminated soil. Small cracks or

gaps in the cap do not need to be immediately addressed, so long as the overall integrity of the cap is ensured.

Repairs to the cap may include, but are not limited to, patching and filling significant cracks, or resurfacing sections of the site. In the event the paved surfaces or buildings overlying the contaminated soil are removed or replaced, the replacement barrier must be equally impervious and protective. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Plan unless indicated otherwise by the WDNR, or its successor.

A record of the repairs/maintenance actions will be kept with the inspection log and copy of the Plan, and will be made available to all interested parties (e.g., WDNR, on-site employees, contractors, future property owners).

In the event that necessary maintenance activities expose the underlying soil, the property owner will inform workers of any direct contact exposure hazard that might exist in a particular work area. The owner will also sample the concrete removed and any soil that is excavated from the site prior to off-site disposal to ascertain if contamination remains. The material will be managed and disposed of by the property owner (or other responsible party) in accordance with applicable local, state, and federal law. Soils may be disposed of as "contaminated" in lieu of sampling if it is likely that characterization would indicate the same. WDNR should be notified of the analytical results within 60 days, or at other interval agreed upon by WDNR.

2.4 Prohibited Activities

The following activities are prohibited unless prior approval, verbal or written, is received from Madison-Kipp Corporation (only until site closure) and WDNR:

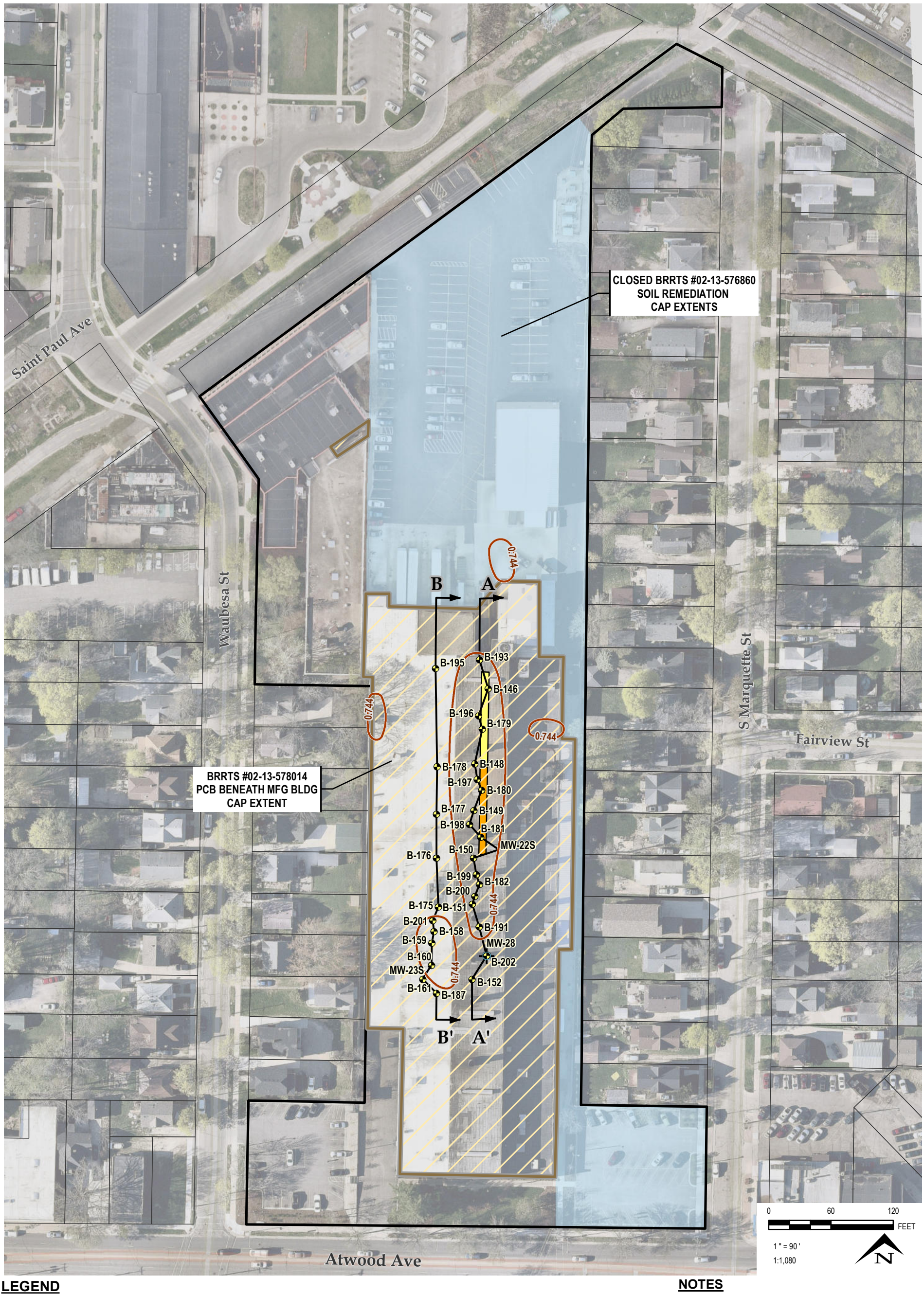
- Removal or modification of cap
- Replacement of cap with another barrier, unless it is considered equal
- Excavating or grading of the land surface
- Filling on covered or paved areas
- Plowing or agricultural cultivation
- Construction or placement of a building or other structure
- Changing the use or occupancy of the property, and
- Installation of a water well or soil boring.

Additional testing may be completed to support the WDNR's approval of the aforementioned activities.

Plot Date: 2/19/2018, 08:59:26 AM by BDEEGAN -- LAYOUT: ANSI B (11"x17")
Path: E:\MadisonKIPPCorp\2017_269392\269392-003.mxd

Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

TRC - GIS



LEGEND

- SITE PROPERTY BOUNDARY
- BORING LOCATION
- ABANDONED MONITORING WELL LOCATION
- PCB MFG BLDG CAP (BRRTS #02-13-578014)
- CROSS SECTION LOCATION
- APPROXIMATE CENTER ISLE EXCAVATION
  - 3' EXCAVATION DEPTH
  - 4' EXCAVATION DEPTH
- CAPPED AREA FROM CLOSED BRRTS #02-13-576860
- TOTAL POLYCHLORINATED BI PHENYL ISOCONCENTRATION CONTOUR (MG/KG)

NOTES

1. BASE MAP IMAGERY FROM NEARMAP, 4/24/2017.
2. SAMPLE AND CAP LOCATIONS PROVIDED BY ARCADIS, FEATURES LOCATIONS ARE APPROXIMATE.

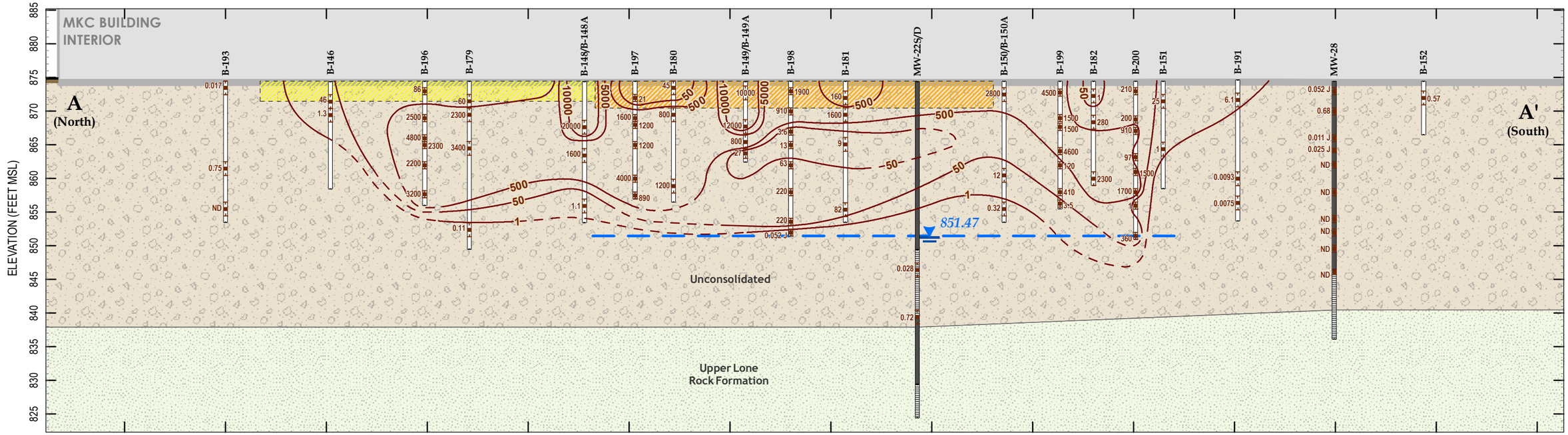
TRC
708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

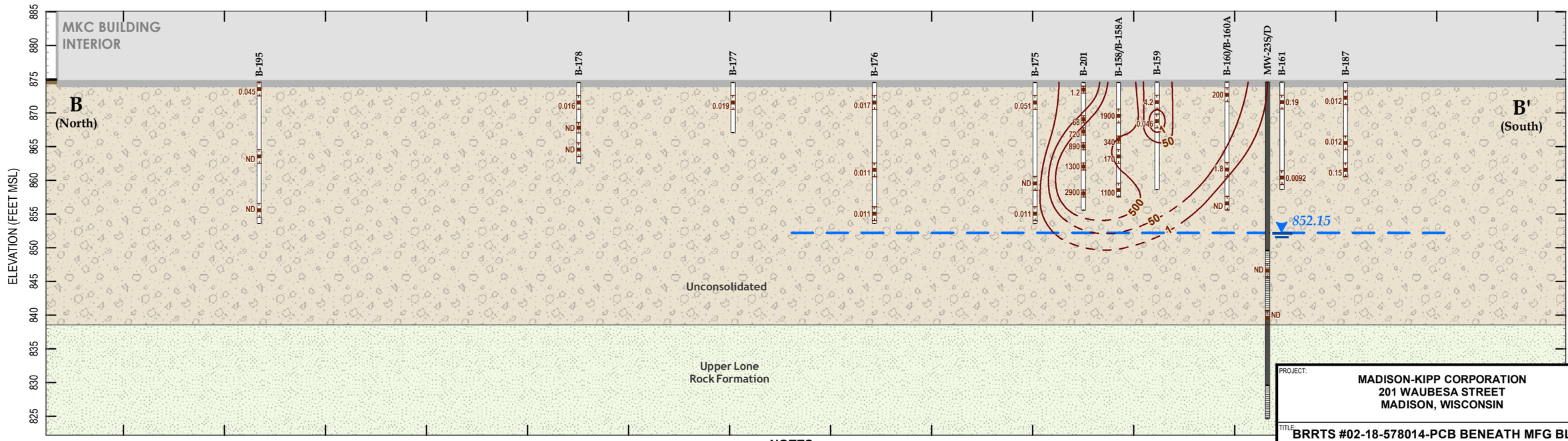
PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
BRRTS #02-18-578014 - PCB BENEATH MFG BLDG CAP MAINTENANCE PLAN CAP EXTENTS

DRAWN BY:	B. DEEGAN
CHECKED BY:	B. WACHHOLZ
APPROVED BY:	K. VATER
DATE:	FEBRUARY 2018
PROJ. NO.:	269392
FILE:	269392-003.mxd

FIGURE 1





LEGEND

WELL/BORING CONSTRUCTION
- SOIL BORING
- WELL CASING
- WELL SCREEN
- WATER TABLE ELEVATION (HIGHEST MEASURED IN MW-22S AND MW-23S, 7/15/2013)

- PCB SAMPLE DEPTH INTERVAL
- 220 PCB CONCENTRATION [mg/kg]
- J ESTIMATED RESULT (LESS THAN QUANTITATION LIMIT)
- ND NOT DETECTED
- PCB ISOCONCENTRATION LINE (mg/kg, DASHED WHERE INFERRED)

CROSS SECTION A-A' AISLE EXCAVATION (SEE NOTE 4)
- 3' DEEP EXCAVATION
- 4' DEEP EXCAVATION

NOTES

1. FIGURE 1 INCLUDES THE GEOLOGICAL CROSS SECTION LOCATION MAP.
2. FEATURES SHOWN ARE APPROXIMATE.
3. PCB RESULTS SHOWN ARE FROM DIFFERENT SAMPLING EVENTS OCCURRING BETWEEN 2012 AND 2015.
4. EXCAVATION AREAS SHOWN ON CROSS SECTION A-A' REPRESENT AN EXCAVATION AREA LOCATED IN THE VICINITY OF, BUT NOT DIRECTLY COINCIDENT WITH, THE CROSS SECTION, AS SHOWN ON FIGURE 1.
5. MONITORING WELLS MW-22S, MW-22D, MW-23S AND MW-23D WERE ABANDONED ON JANUARY 16, 2018.

Horizontal Scale: 1" = 30'
Vertical Scale: 1" = 15'
2x Vertical Exaggeration

0 30
Feet

PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
BRRTS #02-18-578014-PCB BENEATH MFG BLDG
GEOLOGIC CROSS SECTIONS A-A' AND B-B'
PCB CONCENTRATIONS

DRAWN BY:	J. PAPEZ	PROJ NO.:	269392
CHECKED BY:	S. SELLWOOD		
APPROVED BY:	K. VATER		**FIGURE 2**
DATE:	FEBRUARY 2018		

TRC
708 Heartland Trail, Suite 3000
Madison, WI 53717
Phone: 608.826.3600
www.trcsolutions.com

FILE NO.: 269392-005.mxd

TRC - GIS
Coordinate System: (None Defined)
Map Rotation: 0
Plot Date: 2/12/2018, 13:04:09 PM by BDEEGAN -- LAYOUT: ANSI B(11"x17")
Path: E:\MadisonKIPP Corp\2017_269392\269392-005.mxd

Appendix A
WDNR Form 4400-305

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Continuing Obligations Inspection and Maintenance Log

Form 4400-305 (2/14)

Directions: In accordance with s. NR 727.05 (1) (b) 3., Wis. Adm. Code, use of this form for documenting the inspections and maintenance of certain continuing obligations is required. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.]. When using this form, identify the condition that is being inspected. See the closure approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the closure approval letter. Do NOT delete previous inspection results. This form was developed to provide a continuous history of site inspection results. The Department of Natural Resources project manager is identified in the closure letter. The project manager may also be identified from the database, BRRTS on the Web, at http://dnr.wi.gov/botw/SetUpBasicSearchForm.do, by searching for the site using the BRRTS ID number, and then looking in the "Who" section.

Activity (Site) Name	BRRTS No.

Inspections are required to be conducted (see closure approval letter):

○ annually
○ semi-annually
○ other – specify ____________________

When submittal of this form is required, submit the form electronically to the DNR project manager. An electronic version of this filled out form, or a scanned version may be sent to the following email address (see closure approval letter):

Inspection Date	Inspector Name	Item	Describe the condition of the item that is being inspected	Recommendations for repair or maintenance	Previous recommendations implemented?	Photographs taken and attached?
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N

BRRTS No.

Activity (Site) Name

Continuing Obligations Inspection and Maintenance Log

Form 4400-305 (2/14)

{Click to Add/Edit Image}

Date added:

Title:

{Click to Add/Edit Image}

Date added:

Title:

Appendix B
Cap Photo Log

Photographic Log

Client Name:	Site Location:	Photographer:	Project No.:
Madison-Kipp Corporation (MKC) Cap Maintenance Plan – BRRTS #02-13-578014	Madison, Wisconsin	Andrew Stehn and Ben Wachholz – TRC	269392.0000

Photo No.	Date
1	2/6/2018

Description
Previously repaired concrete floor inside MKC facility, facing south

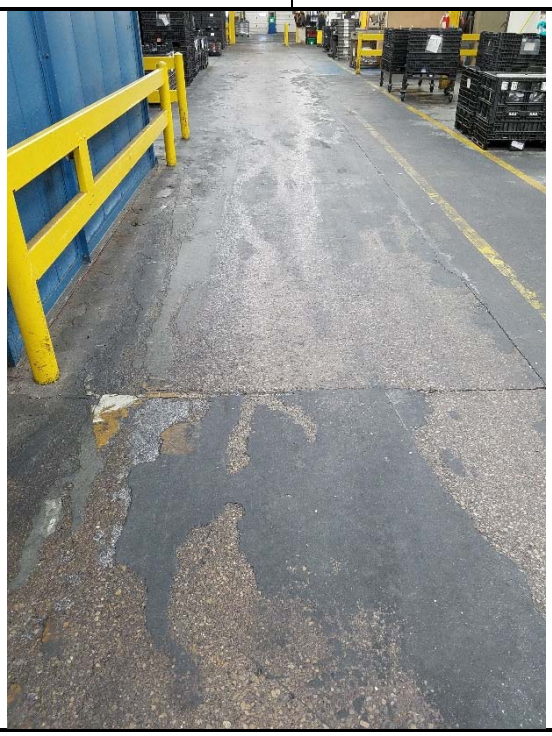
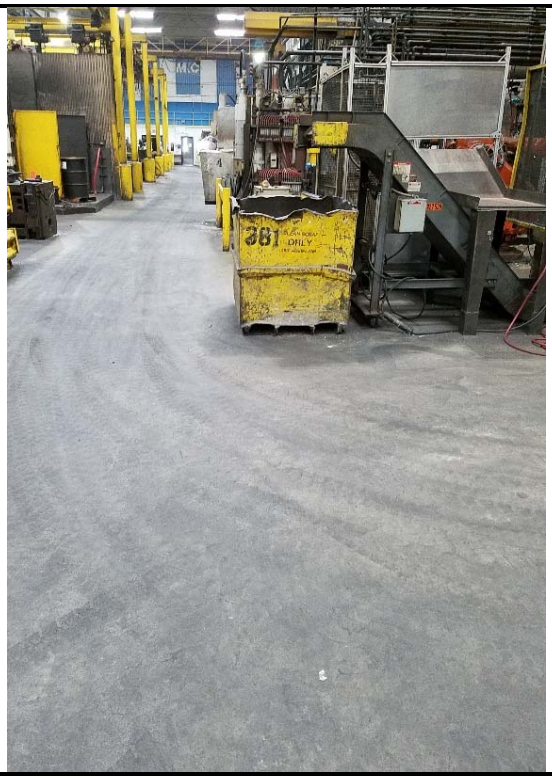


Photo No.	Date
2	2/6/2018

Description
Concrete floor inside MKC facility, facing west



Photographic Log

Client Name:	Site Location:	Photographer:	Project No.:
Madison-Kipp Corporation (MKC) Cap Maintenance Plan – BRRTS #02-13-578014	Madison, Wisconsin	Andrew Stehn and Ben Wachholz – TRC	269392.0000

Photo No.	Date
3	2/6/2018

Description
Concrete floor inside MKC facility near loading dock, facing northeast

Photo No.	Date
4	2/6/2018

Description
Previously repaired concrete floor inside MKC facility showing areas covered in polyurethane, facing southeast

Photographic Log

Client Name:	Site Location:	Photographer:	Project No.:
Madison-Kipp Corporation (MKC) Cap Maintenance Plan – BRRTS #02-13-578014	Madison, Wisconsin	Andrew Stehn and Ben Wachholz – TRC	269392.0000

Photo No.	Date
5	2/6/2018

Description
Concrete floor inside MKC facility, facing west

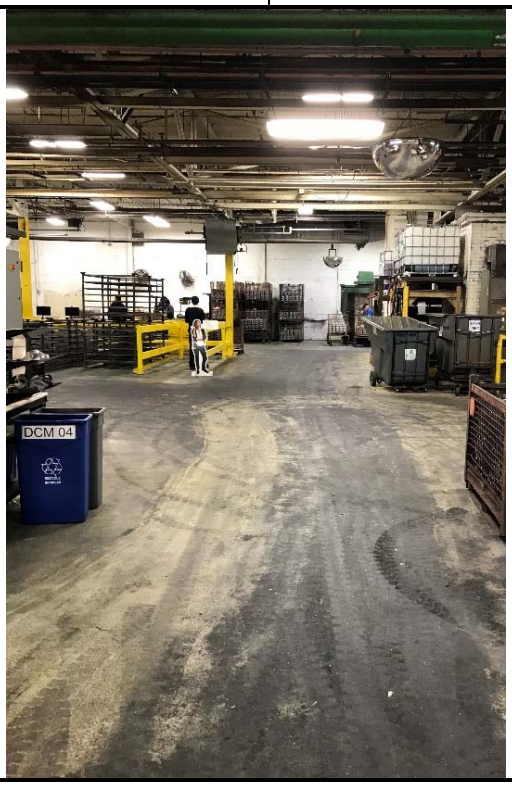
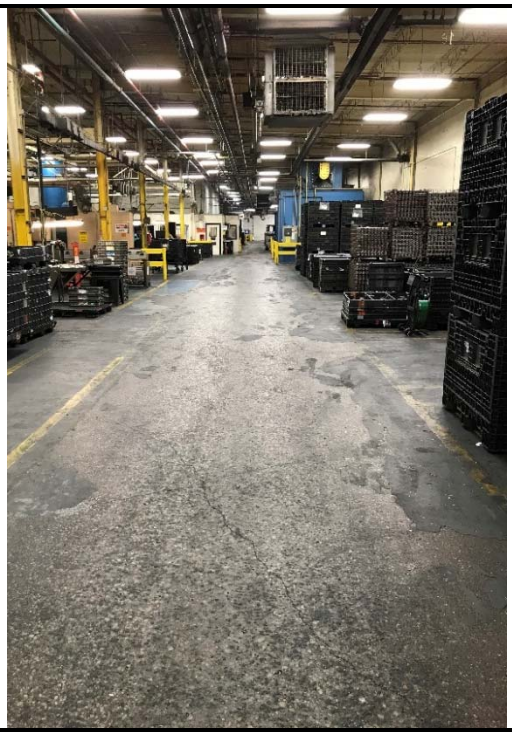


Photo No.	Date
6	2/6/2018

Description
Concrete floor inside MKC facility, facing south



Appendix C
Cover Maintenance Plan for BRRTS #02-13-576860 (Arcadis, 2016)

COVER or BARRIER MAINTENANCE PLAN

(to be included in Form 4400-202, as Attachment D)

February 10, 2016

Property Located at:

201 Waubesa St., Madison, WI 53704

DNR BRRTS/Activity #, FID # 113125320

Parcel ID: 071005308012

Introduction

This document is the Maintenance Plan for a cap at the above-referenced property in accordance with the requirements of s. NR 724.13 (2), Wis. Adm. Code. The maintenance activities relate to the existing cap which addresses or occupies the area over the contaminated groundwater plume or soil.

More site-specific information about this property/site may be found in:

- The case file in the DNR Madison office
- BRRTS on the Web (DNR's internet based data base of contaminated sites)for the link to a PDF for site-specific information at the time of closure and on continuing obligations;
- RR Sites Map/GIS Registry layer for a map view of the site, and
- The DNR project manager for Dane County.

D.1. Descriptions:

(Form 4400-202, Attachment D, Part D1. – brief description of the type, depth and location of residual contamination, description of the system/cover/barrier to be maintained, and its location on the site, maintenance activities, and contact information.)

Description of Contamination

VOCs- soil VOC concentrations were reported above the industrial direct contact RCL generally near the former oil shed in the upper 2 feet of soil. Soil VOC concentrations were reported above the soil to groundwater pathway RCL in the north parking lot.

PCBs - soil PCB concentrations were reported above the industrial direct contact RCL at depths from 0 to 4 feet bls and greater than 4 feet bls. PCB concentrations were generally observed along the western property line and in the north parking lot in the upper 4 feet of soil. Residual PCB concentrations are less than 50 mg/kg on Site and will remain under a cap. Residual PCB concentrations at the site boundary are less than 1 mg/kg.

PAH- Soil PAH concentrations were reported above the industrial direct contact RCL from 0 to 4 feet and at two soil borings advanced to depths greater than 4 feet.

RCRA Metals - Arsenic was detected in all soil samples analyzed with concentrations ranging from 0.37 to 100 mg/kg. The average and geometric mean for the arsenic concentrations were 6.3 mg/kg and 4.5 mg/kg, respectively. Based on the widespread distribution of arsenic in the soil within such a narrow range of concentrations, the presence of arsenic appears to represent naturally occurring background conditions.

Soil RCRA metal concentrations, excluding arsenic, were reported above the industrial direct contact RCL in Soil Boring B-54 in the north parking lot for lead (5,600 mg/kg) and mercury (19 mg/kg). These metals were delineated vertically by soil samples analyzed from the same borings or an adjacent boring and horizontally by adjacent borings and/or off-Site soil samples collected from the adjacent residential properties. Soil metal concentrations were reported above the soil to groundwater pathway RCL in 10 soil borings for barium, mercury, lead, or selenium from depths greater than 4 feet bls.

Description of the Barrier to be Maintained

The cap consists of 6" asphalt in the north parking lot, 3" asphalt in the southeast parking lot and 3" concrete in along the east side of the facility building as shown on Figure D.2.

Barrier Purpose

The asphalt and concrete cap over the contaminated soil serves as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. The cover/barrier also acts as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code. Based on the current use of the property, industrial, the barrier should function as intended unless disturbed.

Annual Inspection

The asphalt and concrete cap overlying the contaminated soil and as depicted in Figure D.2 will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause exposure to underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed will be documented.

A log of the inspections and any repairs will be maintained by the property owner and is included as D.4, Form 4400-305, Continuing Obligations Inspection and Maintenance Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed and where infiltration from the surface will not be effectively minimized. Once repairs are completed, they will be documented in the inspection log. A copy of the maintenance plan and inspection log will be kept at the site; or, if there is no acceptable place (for example, no building is present) to keep it at the site, at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources (DNR) representatives upon their request.

[Note: *The DNR may, in some instances, require in the case closure letter that the inspection log be submitted at least annually after every inspection. If the case closure letter requires that, then add the following sentence to the paragraph above*: A copy of the inspection log must be submitted electronically to the DNR after every inspection, at least annually.]

Maintenance Activities
(Form 4400-202, Attachment D, Part D1. – Description of Maintenance Actions required for maximizing effectiveness of the cover/barrier/engineered control, feature or other action for which maintenance is required.)

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling or larger resurfacing or construction

operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment (PPE). The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

In the event the asphalt and concrete cap overlying the contaminated soil are removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the DNR or its successor.

The property owner, in order to maintain the integrity of the asphalt and concrete cap, will maintain a copy of this Maintenance Plan at the site; or, if there is no acceptable place to keep it at the site (for example, no building is present), at the address of the property owner and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

Prohibition of Activities and Notification of DNR Prior to Actions Affecting a Cover/Barrier

The following activities are prohibited on any portion of the property the engineered cap is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure; 7) changing the use or occupancy of the property to a residential exposure setting, which may include certain uses, such as single or multiple family residences, a school, day care, senior center, hospital, or similar residential exposure settings;

If removal, replacement or other changes to a cover, or a building which is acting as a cover, are considered, the property owner will contact DNR at least 45 days before taking such an action, to determine whether further action may be necessary to protect human health, safety, or welfare or the environment, in accordance with s. NR 727.07, Wis. Adm. Code.

Amendment or Withdrawal of Maintenance Plan

This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of DNR.

Contact Information
(Form 4400-202, Attachment D, Part 1.) Contact Information, including the name, address and phone number of the individual or facility who will be conducting the maintenance.)

February 2016

Site Owner and Operator: Madison-Kipp Corporation
201 Waubesa St., Madison, WI 53704
608-242-5200

Signature: _____

(DNR may request signature of affected property owners, on a case-by-case basis)

Property Owner:	Madison-Kipp Corporation 201 Waubesa St., Madison, WI 53704 608-242-5200
Signature:	_____
Consultant:	Arcadis, U.S. 126 N Jefferson St. Suite 400, Milwaukee, WI 53202 414-276-7742
DNR:	Michael Schmoller Wisconsin Department of Natural Resources South Central Region 3911 Fish Hatchery Road Fitchburg, WI 53711

D.2 Location Map(s)

Include a location map which shows:

(1) the feature that requires maintenance;

(2) the location of the feature(s) that require(s) maintenance: on and off the source property;

(3) the extent of the structure or feature(s) to be maintained, in relation to other structures or features on the site;

(4) the extent and type of residual contamination; and

(5) all property boundaries.

D. 3 Photographs of Cover/Barrier

Include one or more photographs documenting the condition and extent of the cover/barrier/building/slab at the time of the closure request. Pertinent features must be visible and discernible. Include a title on each photograph, which identifies the site name and location of the feature, and the date on which the photograph was taken.

D.4 Continuing Obligations Inspection and Maintenance Log

Use DNR Fillable Form Form 4400-305

Monitoring Well Maintenance Plan Template

D.1. Descriptions and Contact Information: (Form 4400-202, Attachment D, Part 1.)

Descriptions:

- Provide a description of which wells were kept/required for continued monitoring.
- Provide a description of the well lock, well seal type/materials and condition at the time of closure. Reference the sampling plan.
- Describe the maintenance activities which will be conducted.
- Inspections are to be conducted on a yearly basis. Inspections are recommended in spring after snow and ice are gone. In accordance with s. NR 716.13 (14), Wis. Adm. Code, verify the integrity of the well labels, lock and seal. Determine whether the wells are providing a conduit to the subsurface.
- Describe the actions to be taken if the well label is missing, the well lock is broken, or the well seal is no longer sealing the annular space from surface contamination.
- Describe in which situations the well should be abandoned in accordance with s. NR 141, Wis. Adm. Code.
- Identify where the maintenance plan and inspection report will be located.

Contact Information:

[MONTH & YEAR]
Person Conducting the Inspection and maintenance:
[NAME]
[ADDRESS]
[PHONE #]

Signature: _____

Consultant: [NAME]
[ADDRESS]
[PHONE #]
DNR: [PROJECT MANAGER NAME]
[ADDRESS]
[PHONE #]

D.2. Location Map:

- Provide a location map showing the well location in relation to the property boundaries, buildings, etc. (The site location map from the Site Investigation Report should suffice.) Wells locations are required to be surveyed in accordance with s. NR 141.065 (2), Wis. Adm. Code.

D.3. Photograph of Monitoring Well:

- Include one or more photographs documenting the condition and extent of the well lock and seal the time of the closure request. Pertinent features must be visible and discernible.
- Include a title on each photograph, which identifies the site name and location of the feature, and the date on which the photograph was taken.
-

D.4. Continuing Obligations Inspection and Maintenance Log
Use DNR Fillable Form 4400-305

Waubesa St
Railroad
Bike Path
Marquette St
Fairview St
Waubesa St
Marquette St
Fair Oaks Ave
Atwood Ave
Miller Ave
Elmside Blvd
0
100
200
Feet

LEGEND

- REMAINING SOIL SAMPLE
- MONITORING WELL
- 3 INCH CONCRETE CAP
- 3 INCH ASPHALT CAP
- 6 INCH ASPHALT CAP
- RESIDUAL NON-INDUSTRIAL DIRECT CONTACT RCL EXCEEDANCES
- RESIDUAL SOIL TO GROUNDWATER RCL EXCEEDANCES
- WATER MAIN
- ABANDONED SANITARY MAIN
- SANITARY LATERALS
- SANITARY MAINS
- ABANDONED STORM MAINS
- PRIVATE STORM PIPES
- ONSITE STORM WATER DISCHARGE
- ELECTRIC
- GROUND TENSION WIRE
- GAS
- SVE TRENCH
- COMMUNICATIONS
- STORM WATER
- BUILDING FOOTPRINTS

MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

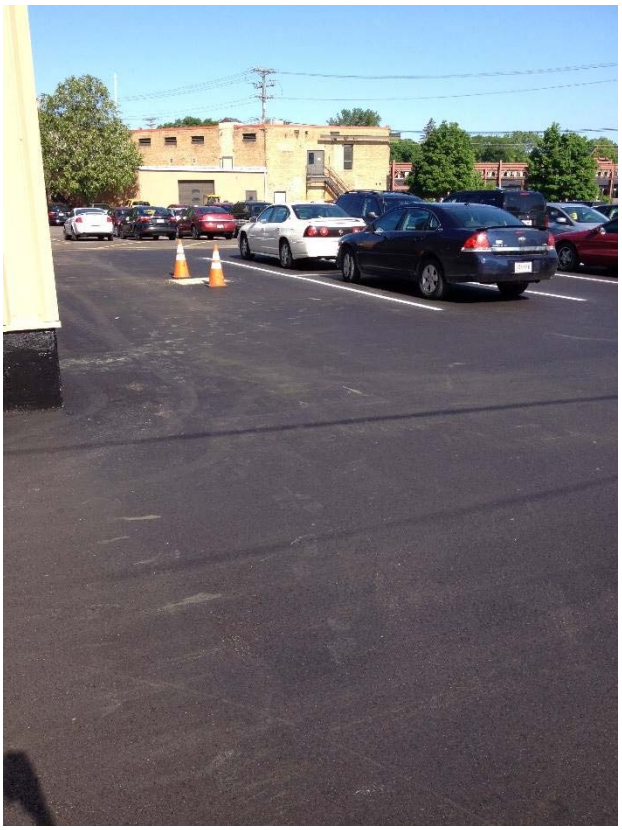
LOCATION MAP

ARCADIS

FIGURE
D.2

CITY: MKE DIV/GROUP: IM DB: GM LD: CK MADISON-KIPP
Z:\GISPROJECTS_ENV\MadisonKipp\ArcMap\2016-01\Cap_Location_Map_20160128.mxd 2/24/2016, 2:32:39 PM

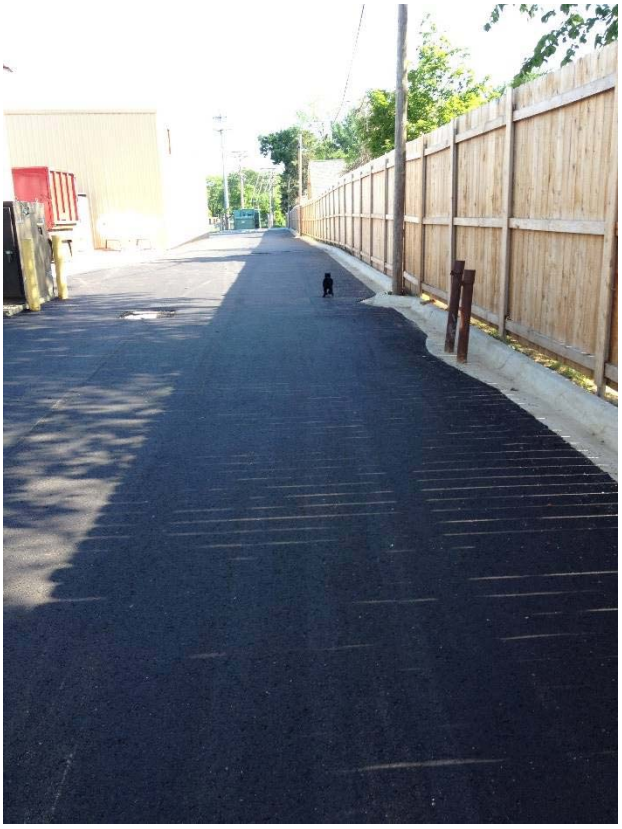
Madison-Kipp Corporation
Madison, Wisconsin



6-inch cap in north parking lot (facing west)
Photo: June 8, 2015

6-inch cap in north parking lot (facing north)
Photo: June 8, 2015

Madison-Kipp Corporation
Madison, Wisconsin



6-inch cap in north parking lot (facing north)
Photo: June 8, 2015

3-inch concrete cover along east property boundary(facing north)
Photo: January 30, 2016

3-inch cap in southeast parking lot (facing southeast)
Photo: January 30, 2016

3-inch cap in southeast parking lot (facing west)
Photo: January 30, 2016

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Continuing Obligations Inspection and Maintenance Log

Form 4400-305 (2/14)

Directions: In accordance with s. NR 727.05 (1) (b) 3., Wis. Adm. Code, use of this form for documenting the inspections and maintenance of certain continuing obligations is required. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.]. When using this form, identify the condition that is being inspected. See the closure approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the closure approval letter. Do NOT delete previous inspection results. This form was developed to provide a continuous history of site inspection results. The Department of Natural Resources project manager is identified in the closure letter. The project manager may also be identified from the database, BRRTS on the Web, at http://dnr.wi.gov/botw/SetUpBasicSearchForm.do, by searching for the site using the BRRTS ID number, and then looking in the "Who" section.

Activity (Site) Name

BRRTS No.

Inspections are required to be conducted (see closure approval letter):

- ◯ annually
- ◯ semi-annually
- ◯ other – specify ____________________

When submittal of this form is required, submit the form electronically to the DNR project manager. An electronic version of this filled out form, or a scanned version may be sent to the following email address (see closure approval letter):

Inspection Date	Inspector Name	Item	Describe the condition of the item that is being inspected	Recommendations for repair or maintenance	Previous recommendations implemented?	Photographs taken and attached?
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N

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